Manitoba

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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of July 2006. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of July 2006.

Communicable Diseases

In total, there were 396 new infections occurring across 30 communicable diseases** (excluding sexually transmitted infections and HIV) in July 2006. The observed number of cases were within the expected range for most of the reported communicable diseases with the exception of Verotoxin producing E. coli (25 cases observed; expected range 2-18 cases), Encephalitis (1 case observed; expect 0 cases), and Methicillin Resistant Staphylococcus Aureus (163 cases observed; expected range 0-141 cases). The expected number of cases and accompanying range is based on the number of cases during June, July, and August 2001-2005. The greater-than-expected numbers of E. coli are in part due to an outbreak suspected to be related to the distribution of contaminated meat.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were 390 cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in July: 272 cases of chlamydia (Ct), 79 cases of gonorrhoea (GC), and 39 GC-Ct co-infections; there were no reported cases of syphilis in July. Almost two-thirds (64%) of all GC and Ct cases in the province were reported among young adults between the ages of 15 and 24 years. More than half of all GC and Ct cases (55%) were reported for individuals living in the Winnipeg health region, and an additional 20% were from the Burntwood health region.

In July 24 individuals tested positive for hepatitis C, most of who were reported from the Winnipeg health region. The cases were fairly distributed between males and females, and two thirds of the cases were in the 30-49 year age groups. Ten Manitobans tested positive for HIV in July 2006.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

ascariasis (ICD9: 127.0)
clostridium difficile (ICD9: 558.2)
leishmaniasis – unspecified (ICD9: 085.9)
methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
schistosomiasis (ICD9: 120)
streptococcus pneumoniae – other site (ICD9: 041.2)
strongyloides (ICD9: 127.2)
vancomycin resistant enterococci (VRE)
tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Cheers,
Dr. Carole Beaudoin
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR July 2006

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2005	2006	Expected*	Ex. Range**	2005	2006
006.9	AMEBIASIS	1	2	2	0-5	21	25
022	ANTHRAX				***		
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS			1	0-2		
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-0	1	
320.1	BAC. MENINGITIS - PNEUM			0	0-1	2	
320.3	BAC. MENINGITIS - STAPH			0	0-1		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS			1	0-3	1	4
008.43	CAMPYLOBACTER	30	22	26	12-40	153	114
558.2	CLOSTRIDIUM DIFFICILE	97	84		***	369	701
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	2		7	0-26	11	10
061.0	DENGUE FEVER			0	0-0		2
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-1		
123.4	DIPHYLLOBOTHRIUM SPP	1		1	0-3	2	3
008.0	E. COLI-VEROTOXIGENIC	3	25	10	2-18	23	61
054.3	ENCEPHALITIS		1	0	0-0		1
005.9	FOOD POISONING OTHER		1	0	0-2		1
007.1	GIARDIA LAMBLIA	18	15	16	7-25	63	66
041.5	H.I.B.-NON MTGS	1		0	0-1	2	
480.8	HANTA VIRUS			0	0-0		
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A	3	3	2	0-5	16	10
070.3	HEPATITIS B	2		1	0-2	5	4
070.51	HEPATITIS C	20	24	40	10-70	251	167
054.8	HERPES-W-UNSPEC COMPL		1	0	0-1		5
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA		1	0	0-1	2	1
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		1
027.0	LISTERIA MONOCYTOGENES		2	0	0-1	3	3
088.81	LYME DISEASE		1	1	0-3	4	1
084	MALARIA	1		1	0-3	5	12
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-2	2	1
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1	2	
B95.6	MRSA	146	163	61	0-141	643	837
072.9	MUMPS	2	1	1	0-3	4	1
036.89	N.MENINGITIDIS OTHER			0	0-1	2	2
728.86	NECROTIZING FASCIITIS		1	0	0-1	5	11
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***	1	
002.9	PARATYPHOID			0	0-1		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS	4	1	5	0-10	23	6
038.2	PNEUM. SEPTICEMIA	3	8	5	0-11	54	47

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2005	2006	Expected*	Ex. Range**	2005	2006
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER			1	0-3	13	4
003.0	SALMONELLA	13	9	17	11-23	89	86
120	SCHISTOSOMIASIS			0	0-0		
004	SHIGELLOSIS		1	1	0-4	6	6
005.0	STAPHYLOCOCCAL			0	0-1		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-1		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		1
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-0	2	
481	STREPTOCOCCUS PNEUMONIAE	1		0	0-1	3	
127.2	STRONGYLOIDES			0	0-1	2	3
037	TETANUS			0	0-0		
130.9	TOXOPLASMOSIS			1	0-6		1
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	3		2	0-6	15	18
011	TUBERCULOSIS - RESP.	5	7	6	0-12	53	50
010	TUBERCULOSIS-PRIM.	1	1	1	0-4	5	13
021.9	TULAREMIA		1	0	0-1	1	1
002.0	TYPHOID			0	0-1		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI		1		***	25	26
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK		2	1	0-5		3
047.1	VIRAL MENINGITIS-ECHO	4	2	5	0-12	6	7
047.8	VIRAL MENINGITIS-ENTERO	7	1		***	9	3
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION		1		***		1
198	WNV NEUROLOGICAL SYNDROME	2	7		***	2	7
197	WNV NON-NEUROLOGICAL SYND	12	7		***	12	8
066.3	WNV UNCLASSIFIED				***		
008.44	YERSINIA ENTEROCOLITICA	3		1	0-3	8	8
		385	**396**			**1921**	**2343**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR July 2006

		<2		2 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
006.9	AMEBIASIS										1									1									2
008.43	CAMPYLOBACTER	3	1		1			1				3			1	2	1	1	2	2		2			1	1			22
558.2	CLOSTRIDIUM DIFFICILE							1			1			1		6		4	4	9		8	3	15	8	14	9	1	84
008.0	E. COLI 0157	3		2	2				4	2		1	2		1		1	2	1		1	2	1						25
054.3	ENCEPHALITIS																									1			1
005.9	FOOD POISONING OTHER																											1	1
007.1	GIARDIA LAMBLIA		2	1	1		1		3							1					3	1	1				1		15
070.1	HEPATITIS A			1			1													1									3
070.51	HEPATITIS C									1				1		2	7	1	6	3		1		1				1	24
054.8	HERPES-W-UNSPEC COMPL																	1											1
482.83	LEGIONELLA																				1								1
027.0	LISTERIA MONOCYTOGENES																	1				1							2
088.81	LYME DISEASE																								1				1
B95.6	MRSA	4	5	2	7	9	10	6	13	5	2	4	6	6	4	4	7	3	8	6	8	1	6	5	7	12	12	1	163
072.9	MUMPS																	1											1
728.86	NECROTIZING FASCIITIS																						1						1
033.0	PERTUSSIS																	1											1
003.0	SALMONELLA				1				1						1	1		1	1				2			1			9
004	SHIGELLOSIS																1												1
038.2	STREP.PNEUMOCOCCAL SEPTIC		1						1								1	1				1	1		1	1			8
038.0	STREPTOCOCCAL SEPTICEMIA								1																				1
011	TUBERCULOSIS - RESP.																		3		2				1				7
010	TUBERCULOSIS-PRIM.								1																				1
021.9	TULAREMIA																		1										1
B96.8	VANCOMYCIN RES. ENTER.																										1		1
047.0	VIRAL MENINGITIS-COXSACK		1				1																						2

ICD9	Disease Name	<2		2 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing age/gendr	Total
		F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M		
047.1	VIRAL MENINGITIS-ECHO						1															1							2
047.8	VIRAL MENINGITIS-ENTERO						1																						1
196	WNV Asymptomatic Infectio																				1								1
198	WNV Neurological Syndrome																	2	2						2		1		7
197	WNV Non-Neurological Synd												1				1		2	1	2			1					8
		10	10	6	12	9	15	8	24	8	4	8	9	8	7	16	19	19	30	23	18	18	15	23	20	30	25		398

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR July 2006

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	2																					2
008.43	CAMPYLOBACTER	14			1		2		1		3							1					22
558.2	CLOSTRIDIUM DIFFICILE	41	1	2	3		4		5	1	6		9		1		1	1	2			7	84
008.0	E. COLI 0157	10			1		2		5		2		3								2		25
054.3	ENCEPHALITIS	1																					1
005.9	FOOD POISONING OTHER							1															1
007.1	GIARDIA LAMBLIA	10					2				2					1							15
070.1	HEPATITIS A	2									1												3
070.51	HEPATITIS C	18	1					2			1				1				1				24
054.8	HERPES-W-UNSPEC COMPL	1																					1
482.83	LEGIONELLA												1										1
027.0	LISTERIA MONOCYTOGENES	2																					2
088.81	LYME DISEASE	1																					1
B95.6	MRSA	44	5		2		2		5		2		5		3	17	12	46	18		1	1	163
072.9	MUMPS	1																					1
728.86	NECROTIZING FASCIITIS							1															1
033.0	PERTUSSIS						1																1
003.0	SALMONELLA	3	1	1	1						1		1	1									9
004	SHIGELLOSIS		1																				1
038.2	STREP.PNEUMOCOCCAL SEPTIC	4									1		1						1			1	8
038.0	STREPTOCOCCAL SEPTICEMIA																				1		1
011	TUBERCULOSIS - RESP.	3		2														2					7
010	TUBERCULOSIS-PRIM.																	1					1
021.9	TULAREMIA								1														1
B96.8	VANCOMYCIN RES. ENTER.	1																					1
047.0	VIRAL MENINGITIS-COXSACK	1							1														2
047.1	VIRAL MENINGITIS-ECHO										1							1					2
047.8	VIRAL MENINGITIS-ENTERO																				1		1
196	WNV Asymptomatic Infectio				1																		1
198	WNV Neurological Syndrome	1			1				4		1												7

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
197	WNV Non-Neurological Synd	1					1		1		3		2										8
		161	**9**	**5**	**10**		**14**	**4**	**23**	**1**	**24**		**22**	**1**	**5**	**18**	**13**	**52**	**22**		**5**	**9**	**398**
Missing Investigation Forms (Jan.1 to end of June)		106	3	1	4		4		2	1	3		5					3	3		1		136

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - July 2006

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2005**	**2006**	**2005**	**2006**
All Chlamydia Infections	252	311	2292	2384
All Gonorrhea Infections (including PRNG)	78	118	553	944
All Syphilis Infections	5		48	31
Gonorrhea & Chlamydia Co-infections	22	39	250	302
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	12	10	70	51

Total Number of STD Cases by Age and Gender - July 2006

	<2		2 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
Chlamydia Only Cases									73	27	52	30	25	20	15	18		9	1	2								272
Gonorrhea Only Cases					1		1		9	5	12	14	3	4	6	10	1	7	1	4		1						79
GC and CT Cases							1		7	8	9	3	2	3		3		1		2								39
					1		2		89	40	73	47	30	27	21	31	1	17	2	8		1						390
HIV														1	3	3					2							10

Regional STD Distribution - July 2006

Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
Case Referred to:*			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	161	15	3	5		6	2	9	1	20		4	4		4	8	49	16		4		311
All Gonorrhea Infections	69	4	1	2			1	1	1	4		1	1		3	5	18	6		1		118
GC and CT Infections	17	1		1			1		1	1			1		2	2	8	3		1		39
Missing Investigation Forms (Jan.1 to end of June)	81	2	5	1		4	6	8		5		2	1	1	15	12	50	6		1		200

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction